

REPORT ON ELECTRIC LIGHTING INSTALLATION. No. 9124

Port of *Belfast*Date of First Survey *30th April, 1924*Date of Last Survey *May 27th 1924*No. of Visits *7*No. in *on the* ~~hull~~ *Steel* *S.S. Atlantida*Port belonging to *Ceiba*

Reg. Book

Built at *Belfast*By whom *Workman Clark & Co Ltd*When built *1924*Owners *Standard Fruit & Steamship Co*

Owners' Address

Hull No. *472*Electric Light Installation fitted by *Sunderland Forge & Engineering Co Ltd*When fitted *1924*

DESCRIPTION OF DYNAMOS ENGINES ETC.

2 additional generators each of 75 KW fitted 6.35- for refrigeration purposes (H.O.s. 4442)

2. Single Cylinder Vertical, Open Type. Steam Engines pressure equal to 100 lbs of steam. 10 lbs. back pressure. direct coupled to

2. Open Type. Compound Wound. Continuous Rated Multipolar Dynamos.

Capacity of Dynamo *168* Amperes at *110* Volts, whether continuous or alternating current *continuous*.Where ^{are} Dynamos fixed *Engine Room Starboard Aft* Whether single or double wire system is used *double wire*.Position of Main Switch Board *Engine Room Starboard Aft* having switches to groups *Five* of lights, &c., as belowPositions of auxiliary switch boards and numbers of switches on each *Navigation in Wheel House 12. Main Deck Section Board 2.**Upper Deck Section Board 10. Smoke Room Port 5. Smoke Room Starboard 5. Dining Saloon Port 6. Dining Saloon Starboard 6.**Lounge Port 6. Lounge Starboard 6. Engine Room 10. Navigation Lights Indicated in Chart Room 5.*If fuses are fitted on main switch board to the cables of main circuit *Yes* and on each auxiliary switch board to the cables of auxiliary circuits *Yes* and at each position where a cable is branched or reduced in size *Yes* and to each lamp circuit *Yes*.If vessel is wired on the double wire system are fuses fitted to both flow and return wires or cables of all circuits including lamp circuits *Yes*.Are the fuses of non-oxidizable metal *Yes* and constructed to fuse at an excess of *100* per cent over the normal currentAre all fuses fitted in easily accessible positions *Yes*. Are the fuses of standard dimensions *Yes*. If wire fuses are used are permanent instructions fitted on or near each switch board giving particulars of proper size of fuse for each circuit *Yes*.Are all switches and fuses constructed of incombustible materials and fitted on incombustible bases *Yes*.Total number of lights provided for *380* arranged in the following groups:—

A Navigation & Police	95 lights each of	15	candle power requiring a total current of	40	Amperes
B Accommodation	120 lights each of	15	candle power requiring a total current of	60	Amperes
C Engine & Boiler Rms	45 lights each of 150 Watt 1/2 Watt & 41.0/16		candle power requiring a total current of	27	Amperes
D Cargo Fore	57 lights each of	16	candle power requiring a total current of	31.35	Amperes
E Cargo Aft	51 lights each of	16	candle power requiring a total current of	28	Amperes
2. Mast head lights with	1 lamps each of	32	candle power requiring a total current of each	1.2	Amperes
2. Side light with	1 lamps each of	32	candle power requiring a total current of each	1.2	Amperes
16 Cargo lights of each		200	candle power, whether incandescent or arc lights	incandescent	

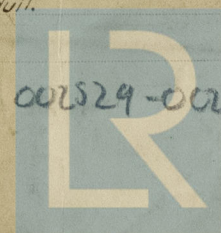
If arc lights, what protection is provided against fire, sparks, &c. *none fitted*Where are the switches controlling the masthead and side lights placed *Chart room*.

DESCRIPTION OF CABLES.

Main cable carrying	168 Amperes, comprised of	37 wires, each	.083" S.W.G. diameter,	.2 square inches total sectional area
Branch cables carrying	42.4 Amperes, comprised of	19 wires, each	.052" S.W.G. diameter,	.04 square inches total sectional area
Branch cables carrying	60 Amperes, comprised of	19 wires, each	.061" S.W.G. diameter,	.06 square inches total sectional area
Leads to lamps carrying	1.8 Amperes, comprised of	3 wires, each	.029" S.W.G. diameter,	.002 square inches total sectional area
Cargo light cables carrying	3.5 Amperes, comprised of	70 wires, each	.0076" S.W.G. diameter,	.003 square inches total sectional area

DESCRIPTION OF INSULATION, PROTECTION, ETC.

Tinned copper conductors insulated with pure & vulcanised India rubber Braided & compounded overall and drawn through screwed conduit throughout ship

Joints in cables, how made, insulated, and protected *None made*Are all the joints of cables thoroughly soldered, and the flux used not containing acids or other corrosive substances *Nil*. Are all joints in accessible positions, none being made in bunkers, cargo spaces, or spaces which may at any time be used for carrying cargo, stores, or baggage *Nil*.Are there any joints in or branches from the cable leading from dynamo to main switch board *Nil*.How are the cables led through the ship, and how protected *V.I.R. Cable drawn through screwed conduit*.

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